

# A1 Microwave

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A1 Microwave is a leading designer and manufacturer of filters, diplexers, power combiners, couplers and adaptors for satcoms, telecoms, radar, medical and scientific applications.

A1 Microwave also provides standard and custom waveguide components and assemblies including : straights, bends, twists and flexibles.

A1 Microwave is ITAR free and provides a **Fast delivery and No NRE** (on standard designs) by using sophisticated in-house design and simulation software, all new **designs are "right first time"** allowing the design to move from the design computer to the machine shop without the need for prototyping. **Stock filters available for immediate despatch.**

A1 Microwave has full in house CNC machining, turning, brazing, hard and soft soldering and bending facilities.



## Ordering information :- Model number **PB1762WB Ka-band Satcoms Transmitter Filter**

Designed for Ka-band Satcoms Transmitter applications for suppressing Local Oscillator and receive band signals

Passband	28 to 29.35 GHz
Passband insertion loss	0.8 dB typical
Passband return loss	16 dB min

Rejection:	from DC to 27.05 GHz	50 dB min
	from 29.9 to 41 GHz	30 dB min

Overall length	63.5 mm
Flange	UBR 320
Connector	K type Male

(see web site for alternative connectors, flanges and paint codes)

